

PERSONAL URINAL

PAGE 1/11, shows three applications of the male configuration of the incontinence device, wherein Fig.1 is a motorised application of the system. Fig. 2 a leg bag application of the system and Fig. 3 a free standing application of the system with calibrated container.

PAGE 2/11, shows a cross section through the dismantled male system wherein Fig. 4 is the vented appendage with internal rolled upper edge and low tension elasticated adjuster. Fig. 5 shows the expandable ring, Fig. 6 shows the lockable liquid detector with the non-return valve and circumferential anti-rise rim. Fig. 7 shows the removed flexible gland of the non-return valve. Fig. 8 shows the empty housing, Fig. 9 shows the motor, Fig. 10 shows a press fit base plate, Fig. 11 is the removable levelling device and Fig. 12 is a plan revealing the fin/propeller position.

PAGE 3/11, shows a cross section through the male gravity fed system, wherein Fig. 13 is the vented appendage with internal rolled upper edge and low tension elasticated adjuster, Fig. 14 shows the expandable ring, Fig. 15 is a self-locking non-return valve, Fig. 16 shows the removed flexible gland of the non-return valve, Fig. 17 shows the empty housing and Fig. 18 is a detachable outlet that will lead to a leg bag or free standing container.

PAGE 4/11, Fig. 19 shows a labelled female configuration of the incontinence system.

PAGE 5/11, shows three applications of female configuration of the incontinence device wherein Fig. 20 is the motorised application of the system. Fig. 21 the gravity fed application of the system incorporating a leg bag. Fig. 22 the gravity fed application of the system with free standing container.

PAGE 6/11, Fig. 23 shows a cross section through the assembled direct drive system. Fig. 24 shows the removed elliptical bowl with the pervious membrane attached, Fig. 25 shows the lockable liquid detector with the non-return valve and circumferential anti-rise rim, Fig. 26 is a press fit base plate, Fig. 27 shows the empty housing and Fig. 28 is a plan of the non- return valve and liquid detector.

PAGE 7/11, Fig.29 shows a cross section through the flexible drive system revealing the position of the impeller and the flexible, detachable outlet that will lead to the groin bag. Fig. 30 shows the system with the flexible drive shaft with 1 of 4 adjustable anchoring straps. Fig.31 shows the cross section through the removed elliptical bowl with its elevated circumferential perforated edge. Fig. 32 and Fig. 33 show a section and plan of the non-return valve and the liquid detector with terminal screws. Fig. 34 shows the empty housing and Fig. 35 shows the removed pervious membrane.

PAGE 8/11, Fig. 36 shows a cross section through the assembled belt driven device. Fig. 37 shows the removed elliptical bowl with the pervious membrane. Fig. 38 shows the liquid detector and the non-return valve. Fig. 39 shows the empty housing, Fig. 40 shows the female profile base plate and Fig. 41 shows the removed belt.

PAGE 9/11, Fig. 42 shows a cross section through the gravity fed system, revealing the profile of the elliptical bowl with flexible detachable membrane, its elevated perforated edge and the slope of the internal circumferential rim. Fig. 43 is a non-return valve and Fig. 44 is a detachable inlet that will lead to a leg bag or a free standing container. Fig. 45 is a plan of the system revealing the 4 adjustable anchoring straps, the pervious membrane and the non return valve.

PAGE 10/11, Fig. 46 shows the development of the quilted reusable jacket. Fig. 47 shows the position of the 2 zippable compartments. Fig. 48 is a disposable groin bag with a perforated inlet to aid dispersion.

PAGE 11/11, Fig. 49 and Fig. 50 shows an isometric view of the clippable electronic system to be fitted inside the groin bag compartment, revealing the location of the motor, the flexible drive shaft, the battery, the visual L.C.D. unit and control panel enclosed and removed. Fig. 51 is the end view of the control unit.